Author index

Aloia, R.C., see Gordon, L.M. (943) 331
Amanuma, S.K.H., see Todokoro, K. (943) 326
Audigier-Petit, C., see Martinez-Bazenet, C. (943) 35
Azzone, G.F., see Carbonera, D. (943) 245

Baker, E., see Trinder, D. (943) 440
Barber, K.R., see Mehlhorn, I.E. (943) 389
Barbotin, J.-N., see Tamponnet, C. (943) 87
Baxter-Lowe, L.A., Yohanan, J.M. and Hokin, L.E.
In vitro biosynthesis of the β-subunit of the Na^+/K^+-ATPase in developing brine shrimp: glycosylation and membrane insertion (943) 343
Bechinger, B., Macdonald, P.M. and Seelig, J.
Deuterium NMR studies of the interactions of polyhydroxyl compounds and of glycolipids with lipid model membranes (943) 381
Benveniste, P., see Milhaud, J. (943) 315
Bolard, J., see Milhaud, J. (943) 315
Booz, G.W., see Ziyadeh, F.N. (943) 43
Boschetti, A., see Clemetson, J.M. (943) 371
Brasseur, R., De Loof, H., Ruysschaert, J.M. and Rosseneu, M.
Conformational analysis of lipid-associating proteins in a lipid environment (943) 95
Bratton, D.L., Harris, R.A., Clay, K.L. and Henson, P.M.
Effects of platelet activating factor on calcium–lipid interactions and lateral phase separations in phospholipid vesicles (943) 211
Bryszewska, M. and Epand, R.M.
Effects of sugar alcohols and disaccharides in inducing the hexagonal phase and altering membrane properties: implications for diabetes mellitus (943) 485
Burke, T.G., see Rudolph, A.S. (943) 454

Calvayrac, R., see Tamponnet, C. (943) 87
Carbonera, D. and Azzone, G.F.
Permeability of inner mitochondrial membrane and oxidative stress (943) 245
Carpenter, J.F., see Loomis, S.H. (943) 113
Chapman, D., see Haris, P.I. (943) 375
Chen, K., Morse II, P.D. and Swartz, H.M.
Kinetics of enzyme-mediated reduction of lipid soluble nitroxide spin labels by living cells (943) 477
Chiou, J.-S., see Kaminoh, Y. (943) 522
Cladera, J., Galisteo, M.L., Duñach, M., Mateo, P.L. and Padrós, E.
Thermal denaturation of deionized and native purple membranes (943) 148
Clay, K.L., see Bratton, D.L. (943) 211
Clejan, S., see Dunkley, Jr., E.A. (943) 13
Clemetson, J.M. and Boschetti, A.
Chloroplast envelope proteins from *Chlamydomonas*: separation into outer and inner envelopes and analysis by two-dimensional gel electrophoresis (943) 371
Cox, R.P., see Miller, M. (943) 501
Crommelin, D.J.A., see Peeters, P.A.M. (943) 137
Cross, T.A., see Killian, J.A. (943) 535
Crowe, J.H., see Loomis, S.H. (943) 113
Curtain, C.C., see Gordon, L.M. (943) 331

Dale, W.E., Tsai, Y.-S., Yung, C.Y., Hale, C.C., Rovetto, M.J. and Kim, H.D.
Kinetic characterization and radiation-target sizing of the glucose transporter in cardiac sarcolemmal vesicles (943) 360
Damen, J., De Widt, J., Hilkmann, H. and Van Blitterswijk, W.J.
Effect of dietary lipids on plasma lipoproteins and fluidity of lymphoid cell membranes in normal and leukemic mice (943) 166
Danzo, B.J., see May, J.M. (943) 199
De Bony, J., see Welby, M. (943) 190
De Loof, H., see Brasseur, R. (943) 95
De Widt, J., see Damen, J. (943) 166
Dierks, T., Riemer, E. and Krämer, R.
Reaction mechanism of the reconstituted aspartate/glutamate carrier from bovine heart mitochondria (943) 231
Duñach, M., see Cladera, J. (943) 148
Dunkley, Jr., E.A., Clejan, S., Guffanti, A.A. and Krulwich, T.A.
Large decreases in membrane phosphatidylethanolamine and diphosphatidylglycerol upon mutation to duramycin resistance do not change the protonophore resistance of *Bacillus subtilis* (943) 13

Eling, W.M.C., see Peeters, P.A.M. (943) 137
Epand, R.M., see Bryszewska, M. (943) 485

Fassel, T.A., Hui, S.-w., Leonards, K. and Ohki, S.
Electron microscopic study of the calcium phosphate-induced aggregation and membrane destabilization of cytoskeleton-free erythrocyte vesicles (943) 267
Feldman, G.M., see Ziyadeh, F.N. (943) 43
Fernandez, H.N., see Rossi, J.P. (943) 175
Fibach, E., see Gatt, S. (943) 447

Findlay, I.
Calcium-dependent inactivation of the ATP-sensitive K^+ channel of rat ventricular myocytes (943) 297
Fontaine, R.N., see Nemecz, G. (943) 511
Förster, C., see Korbmacher, C. (943) 405
Franciolini, F.
Calcium and voltage dependence of single Ca^{2+}-activated K^+ channels from cultured hippocampal neurons of rat (943) 419
Fröhlich, O. and Jones, S.C.
Kinetic independence between red cell anion exchange and urea transport (943) 531
Frot-Coutaz, J., see Martinez-Bazenet, C. (943) 35

Gadella, Jr., T.W.J., see Van Paridon, P.A. (943) 76
Gagliardino, J.J., see Gronda, C.M. (943) 183
Gagliardino, J.J., see Rossi, J.P. (943) 175
Galisteo, M.L., see Cladera, J. (943) 148
Gatt, S. and Fibach, E.
Spectrofluorometric measurements of the dispersion state of pyrenedodecanoic acid and its uptake by cultured cells and liposomes (943) 447
Girbig, F., see Kramer, W. (943) 288
Gordon, L.M., Jensen, F.C., Curtain, C.C., Mobley, P.W. and Aloia, R.C.
Thermotropic lipid phase separation in the human immunodeficiency virus (943) 331
Got, R., see Martinez-Bazenet, C. (943) 35
Grant, C.W.M., see Mehlhorn, I.E. (943) 389
Gronda, C.M., Rossi, J.P. and Gagliardino, J.J.
Effect of different insulin secretagogues and blocking agents on islet cell Ca^{2+}-ATPase activity (943) 183
Gronda, C.M., see Rossi, J.P. (943) 175
Groth, T., see Herrmann, A. (943) 411
Guffanti, A.A., see Dunkley, Jr., E.A. (943) 13

Hale, C.C., see Dale, W.E. (943) 360
Haris, P.I. and Chapman, D.
Fourier transform infrared spectra of the polypeptide alamethicin and a possible structural similarity with bacteriorhodopsin (943) 375
Harris, R.A., see Bratton, D.L. (943) 211
Hartmann, M.A., see Milhaud, J. (943) 315
Häussinger, D., see Lang, F. (943) 471
Helbig, H., see Korbmacher, C. (943) 405
Hengartner, H., see Schott, H. (943) 53
Henson, P.M., see Bratton, D.L. (943) 211
Herrmann, A., Pritzen, C., Palesch, A. and Groth, T.
The influenza virus-induced fusion of erythrocyte ghosts does not depend on osmotic forces (943) 411
Heß, W., see Schott, H. (943) 53
Hilkmann, H., see Damen, J. (943) 166
Hokin, L.E., see Baxter-Lowe, L.A. (943) 343
Huang, C.-h., see Xu, H. (943) 63
Hui, S.-w., see Fassel, T.A. (943) 267

Ikawa, Y., see Todokoro, K. (943) 326

Janoff, A.S., see Perkins, W.R. (943) 103
Jensen, F.C., see Gordon, L.M. (943) 331
Jones, S.C., see Fröhlich, O. (943) 531

Kamaya, H., see Kaminoh, Y. (943) 522
Kaminoh, Y., Kanô, F., Chiou, J.-S., Kamaya, H., Lin, S.H. and Ueda, I.
Effect of surface ionization of dimyristoylphosphatidic acid vesicle membranes on the main phase-transition enthalpy and temperature (943) 522
Kanô, F., see Kaminoh, Y. (943) 522
Kelley, L.K., see Vanderpuye, O.A. (943) 277
Killian, J.A., Nicholson, L.K. and Cross, T.A.
Solid-state ^{15}N-NMR evidence that gramicidin A can adopt two different backbone conformations in dimyristoylphosphatidylcholine model membrane preparations (943) 535
Kim, H.D., see Dale, W.E. (943) 360
Kleinzeller, A., see Ziyadeh, F.N. (943) 43
Kondo, Y., see Tomida, M. (943) 493
Korbmacher, C., Helbig, H., Förster, C. and Wiederholt, M.
Characterization of Na^+/H^+ exchange in a rabbit corneal epithelial cell line (SIRC) (943) 405
Krämer, R., see Dierks, T. (943) 231
Kramer, W., Girbig, F., Petzoldt, E. and Leipe, I.
Inactivation of the intestinal uptake system for β-lactam antibiotics by diethylpyrocarbonate (943) 288
Krulwich, T.A., see Dunkley, Jr., E.A. (943) 13

Lakhdar-Ghazal, F. and Tocanne, J.F.
Modulation of the adsorption of alkaline cations to phosphatidylglycerol by a dimannosyldiacylglycerol (943) 19
Lang, F., Plöckinger, B., Häussinger, D. and Paulmichl, M.
Effects of extracellular nucleotides on electrical properties of subconfluent Madin Darby canine kidney cells (943) 471
Langer, G.A., see Post, J.A. (943) 256
Leipe, I., see Kramer, W. (943) 288
Leonards, K., see Fassel, T.A. (943) 267
Létoublon, R., see Martinez-Bazenet, C. (943) 35
Lew, V.L., see Tiffert, T. (943) 157
Lin, H.-n., see Xu, H. (943) 63
Lin, S.H., see Kaminoh, Y. (943) 522
Loomis, S.H., Carpenter, J.F. and Crowe, J.H.
Identification of strombine and taurine as cryoprotectants in the intertidal bivalve *Mytilus edulis* (943) 113

Macdonald, P.M., see Bechinger, B. (943) 381
Machida, H., see Tomida, M. (943) 493
Makino, S., see Tomida, M. (943) 493
Mann, G.E., see Norman, P.S.R. (943) 541
Martinez-Bazenet, C., Audigier-Petit, C., Frot-Coutaz, J., Got, R., Nicolau, C. and Létoublon, R.
Protein-mediated fusion of liposomes with microsomal membranes of *Aspergillus niger*: evidence for a complex mechanism dealing with membranous and cytosolic fusogenic proteins (943) 35
Mateo, P.L., see Cladera, J. (943) 148
May, J.M. and Danzo, B.J.
Photolabeling of the human erythrocyte glucose carrier with androgenic steroids (943) 199

Meddings, J.B.
Lipid permeability of rat jejunum and ileum: correlation with physical properties of the microvillus membrane (943) 305
Mehlhorn, I.E., Barber, K.R. and Grant, C.W.M.
Globoside with spin-labelled fatty acid: bilayer lateral distribution and immune recognition (943) 389
Meves, H., Rubly, N. and Stämpfli, R.
The action of arginine-specific reagents on ionic and gating currents in frog myelinated nerve (943) 1
Milhaud, J., Bolard, J., Benveniste, P. and Hartmann, M.A.
Interaction of the polyene antibiotic filipin with model and natural membranes containing plant sterols (943) 315
Miller, M., Pedersen, J.Z. and Cox, R.P.
Effect of growth temperature on membrane dynamics in a thermophilic cyanobacterium: a spin label study (943) 501
Minchey, S.R., see Perkins, W.R. (943) 103
Mobley, P.W., see Gordon, L.M. (943) 331
Morgan, E.H.
Membrane transport of non-transferrin-bound iron by reticulocytes (943) 428
Morgan, E.H., see Trinder, D. (943) 440
Moriyama, R., see Tomida, M. (943) 493
Morrison, M.M., see Vanderpuye, O.A. (943) 277
Morse II, P.D., see Chen, K. (943) 477

Nambi, P., see Veiro, J.A. (943) 108
Nandi, P. and Wahl, P.
Diffusion properties of clathrin on the surface of isolated mouse liver nuclei by the fluorescence recovery after photobleaching technique (943) 367
Nemecz, G., Fontaine, R.N. and Schroeder, F.
A fluorescence and radiolabel study of sterol exchange between membranes (943) 511
Nicholson, L.K., see Killian, J.A. (943) 535
Nicolau, C., see Martinez-Bazenet, C. (943) 35
Norman, P.S.R. and Mann, G.E.
Secretagogue-induced changes in system A amino acid transport in the rat exocrine pancreas: stimulation of 2-methylaminoisobutyric acid efflux by carbachol (943) 541

Ohki, S., see Fassel, T.A. (943) 267
Op den Kamp, J.A.F., see Post, J.A. (943) 256
Ostro, M.J., see Perkins, W.R. (943) 103
Oussoren, C., see Peeters, P.A.M. (943) 137

Padrós, E., see Cladera, J. (943) 148
Palesch, A., see Herrmann, A. (943) 411
Parker, J.C.
Stimulation of calcium-sodium exchange in dog red blood cells by hemolysis and resealing (943) 463
Passamonti, S. and Sottocasa, G.L.
The quinoid structure is the molecular requirement for recognition of phthaleins by the organic anion carrier at the sinusoidal plasma membrane level in the liver (943) 119
Paulmichl, M., see Lang, F. (943) 471
Pedersen, J.Z., see Miller, M. (943) 501
Peeters, P.A.M., Oussoren, C., Eling, W.M.C. and Crommelin, D.J.A.
Immunospecific targeting of immunoliposomes, $F(ab')_2$ and IgG to red blood cells in vivo (943) 137
Perkins, W.R., Minchey, S.R., Ostro, M.J., Taraschi, T.F. and Janoff, A.S.
The captured volume of multilamellar vesicles (943) 103
Petzoldt, E., see Kramer, W. (943) 288
Plöckinger, B., see Lang, F. (943) 471
Post, J.A., Langer, G.A., Op den Kamp, J.A.F. and Verkleij, A.J.
Phospholipid asymmetry in cardiac sarcolemma. Analysis of intact cells and 'gas-dissected' membranes (943) 256
Pritzen, C., see Herrmann, A. (943) 411

Riemer, E., see Dierks, T. (943) 231
Rona, J.-P., see Tamponnet, C. (943) 87
Rosseneu, M., see Brasseur, R. (943) 95
Rossi, J.P., Gronda, C.M., Fernandez, H.N. and Gagliardino, J.J.
Characteristics of a Ca^{2+}-ATPase activity measured in islet homogenates (943) 175
Rossi, J.P., see Gronda, C.M. (943) 183
Rovetto, M.J., see Dale, W.E. (943) 360
Rowe, E.S., see Veiro, J.A. (943) 108
Rubly, N., see Meves, H. (943) 1
Rudolph, A.S., Singh, B.P., Singh, A. and Burke, T.G.
Phase characteristics of positional isomers of 1,2-di(heptacosadiynoyl)-*sn*-glycero-3-phosphocholine; tubule-forming phosphatidylcholines (943) 454
Ruysschaert, J.M., see Brasseur, R. (943) 95

Sandström, P.-E. and Sehlin, J.
Furosemide and Ca^{2+} affect $^{86}Rb^{+}$ efflux from pancreatic β-cells by different mechanisms (943) 28
Schilling, W.P.
Effect of divalent cation chelation on dihydropyridine binding in isolated cardiac sarcolemma vesicles (943) 220
Schott, H., Heß, W., Hengartner, H. and Schwendener, R.A.
Syntheses of lipophilic amino and carboxyl components for the functionalization of liposomes (943) 53
Schroeder, F., see Nemecz, G. (943) 511
Schwendener, R.A., see Schott, H. (943) 53
Seelig, J., see Bechinger, B. (943) 381
Sehlin, J., see Sandström, P.-E. (943) 28
Simonides, W.S. and Van Hardeveld, C.
$(Ca^{2+} + Mg^{2+})$-ATPase activity associated with the maintenance of a Ca^{2+} gradient by sarcoplasmic reticulum at submicromolar external $[Ca^{2+}]$. The effect of hypothyroidism (943) 349
Singh, A., see Rudolph, A.S. (943) 454
Singh, B.P., see Rudolph, A.S. (943) 454
Smith, C.H., see Vanderpuye, O.A. (943) 277
Sottocasa, G.L., see Passamonti, S. (943) 119
Spivak, J.L., see Tiffert, T. (943) 157
Stämpfli, R., see Meves, H. (943) 1
Stephenson, F.A., see Xu, H. (943) 63
Swartz, H.M., see Chen, K. (943) 477

Tamponnet, C., Rona, J.-P., Barbotin, J.-N. and Calvayrac, R.
Effects of high external calcium concentrations on etiolated

Euglena gracilis Z cells and evidence of an internal membrane potential (943) 87
Taraschi, T.F., see Perkins, W.R. (943) 103
Tiffert, T., Spivak, J.L. and Lew, V.L.
Magnitude of calcium influx required to induce dehydration of normal human red cells (943) 157
Tocanne, J.-F., see Welby, M. (943) 190
Tocanne, J.F., see Lakhdar-Ghazal, F. (943) 19
Todokoro, K., Amanuma, S.K.H. and Ikawa, Y.
Characterization of erythropoietin receptor on erythropoietin-unresponsive mouse erythroleukemia cells (943) 326
Tomida, M., Kondo, Y., Moriyama, R., Machida, H. and Makino, S.
Effect of stilbenedisulfonate binding on the state of association of the membrane-spanning domain of band 3 from bovine erythrocyte membrane (943) 493
Trinder, D., Morgan, E.H. and Baker, E.
The effects of an antibody to the rat transferrin receptor and of rat serum albumin on the uptake of diferric transferrin by rat hepatocytes (943) 440
Tsai, Y.-S., see Dale, W.E. (943) 360

Ueda, I., see Kaminoh, Y. (943) 522

Van Blitterswijk, W.J., see Damen, J. (943) 166
Van Cauwelaert, F., see Van Dael, H. (943) 126
Van Dael, H. and Van Cauwelaert, F.
The effect of α-lactalbumin on the thermotropic phase behaviour of phosphatidylcholine bilayers, studied by fluorescence polarization, differential scanning calorimetry and Raman spectroscopy (943) 126
Vanderpuye, O.A., Kelley, L.K., Morrison, M.M. and Smith, C.H.
The apical and basal plasma membranes of the human placental syncytiotrophoblast contain different erythrocyte membrane protein isoforms. Evidence for placental forms of band 3 and spectrin (943) 277
Van Hardeveld, C., see Simonides, W.S. (943) 349
Van Paridon, P.A., Gadella, Jr., T.W.J. and Wirtz, K.W.A.
The effect of polyphosphoinositides and phosphatidic acid on the phosphatidylinositol transfer protein from bovine brain: a kinetic study (943) 76
Veiro, J.A., Nambi, P. and Rowe, E.S.
Effect of alcohols on the phase transitions of dihexadecylphosphatidylcholine (943) 108
Verkleij, A.J., see Post, J.A. (943) 256

Wahl, P., see Nandi, P. (943) 367
Welby, M., De Bony, J. and Tocanne, J.-F.
Occurrence of acylated proteins in the membrane of the bacterium *Micrococcus luteus* (943) 190
Wiederholt, M., see Korbmacher, C. (943) 405
Wirtz, K.W.A., see Van Paridon, P.A. (943) 76

Xu, H., Stephenson, F.A., Lin, H.-n. and Huang, C.-h.
Phase metastability and supercooled metastable state of diundecanoylphosphatidylethanolamine bilayers (943) 63

Yohanan, J.M., see Baxter-Lowe, L.A. (943) 343
Yung, C.Y., see Dale, W.E. (943) 360

Ziyadeh, F.N., Feldman, G.M., Booz, G.W. and Kleinzeller, A.
Taurine and cell volume maintenance in the shark rectal gland: cellular fluxes and kinetics (943) 43